

Robert Dawson

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

37
papers

5,213
citations

26
h-index

43
g-index

43
ext. papers

5,691
ext. citations

10.8
avg, IF

5.85
L-index

#	Paper	IF	Citations
37	Nanoporous organic polymer networks. <i>Progress in Polymer Science</i> , 2012 , 37, 530-563	29.6	941
36	Porous, fluorescent, covalent triazine-based frameworks via room-temperature and microwave-assisted synthesis. <i>Advanced Materials</i> , 2012 , 24, 2357-61	24	504
35	Microporous organic polymers for carbon dioxide capture. <i>Energy and Environmental Science</i> , 2011 , 4, 4239	35.4	497
34	Chemical tuning of CO ₂ sorption in robust nanoporous organic polymers. <i>Chemical Science</i> , 2011 , 2, 1173-4	35.4	492
33	Functionalized Conjugated Microporous Polymers. <i>Macromolecules</i> , 2009 , 42, 8809-8816	5.5	305
32	Trends and challenges for microporous polymers. <i>Chemical Society Reviews</i> , 2017 , 46, 3302-3321	58.5	292
31	Chemical functionalization strategies for carbon dioxide capture in microporous organic polymers. <i>Polymer International</i> , 2013 , 62, 345-352	3.3	245
30	Impact of water coadsorption for carbon dioxide capture in microporous polymer sorbents. <i>Journal of the American Chemical Society</i> , 2012 , 134, 10741-4	16.4	230
29	Materials challenges for the development of solid sorbents for post-combustion carbon capture. <i>Journal of Materials Chemistry</i> , 2012 , 22, 2815-2823		224
28	High Surface Area Conjugated Microporous Polymers: The Importance of Reaction Solvent Choice. <i>Macromolecules</i> , 2010 , 43, 8524-8530	5.5	178
27	Swellable, water- and acid-tolerant polymer sponges for chemoselective carbon dioxide capture. <i>Journal of the American Chemical Society</i> , 2014 , 136, 9028-35	16.4	175
26	Functional conjugated microporous polymers: from 1,3,5-benzene to 1,3,5-triazine. <i>Polymer Chemistry</i> , 2012 , 3, 928	4.9	168
25	Microporous copolymers for increased gas selectivity. <i>Polymer Chemistry</i> , 2012 , 3, 2034	4.9	125
24	Microporous Thioxanthone Polymers as Heterogeneous Photoinitiators for Visible Light Induced Free Radical and Cationic Polymerizations. <i>Macromolecules</i> , 2014 , 47, 4607-4614	5.5	99
23	Branching out with aminals: microporous organic polymers from difunctional monomers. <i>Polymer Chemistry</i> , 2012 , 3, 533-537	4.9	82
22	Post-synthetic modification of conjugated microporous polymers. <i>Polymer</i> , 2014 , 55, 321-325	3.9	73
21	Cationic microporous polymer networks by polymerisation of weakly coordinating cations with CO ₂ -storage ability. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 11825-11829	13	64

20	Mesoporous Poly(phenylenevinylene) Networks. <i>Macromolecules</i> , 2008 , 41, 1591-1593	5.5	60
19	Ion exchange removal of Cu(II), Fe(II), Pb(II) and Zn(II) from acid extracted sewage sludge - Resin screening in weak acid media. <i>Water Research</i> , 2019 , 158, 257-267	12.5	59
18	Selective gas sorption in a [2+3] 'propeller' cage crystal. <i>Chemical Communications</i> , 2011 , 47, 8919-21	5.8	56
17	Low band-gap benzothiadiazole conjugated microporous polymers. <i>Polymer Chemistry</i> , 2013 , 4, 5585	4.9	53
16	Network formation mechanisms in conjugated microporous polymers. <i>Polymer Chemistry</i> , 2014 , 5, 6325-6333	4.9	46
15	Selective Environmental Remediation of Strontium and Cesium Using Sulfonated Hyper-Cross-Linked Polymers (SHCPs). <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 22464-22473	9.5	40
14	Mechanical characterisation of polymer of intrinsic microporosity PIM-1 for hydrogen storage applications. <i>Journal of Materials Science</i> , 2017 , 52, 3862-3875	4.3	39
13	Dry bases carbon dioxide capture using alkaline dry water. <i>Energy and Environmental Science</i> , 2014 , 7, 1786-1791	35.4	36
12	Single metal isotherm study of the ion exchange removal of Cu(II), Fe(II), Pb(II) and Zn(II) from synthetic acetic acid leachate. <i>Chemical Engineering Journal</i> , 2020 , 394, 124862	14.7	27
11	Towards the implementation of an ion-exchange system for recovery of fluoride commodity chemicals. Kinetic and dynamic studies. <i>Chemical Engineering Journal</i> , 2019 , 367, 149-159	14.7	19
10	Porous Silica-Pillared MXenes with Controllable Interlayer Distances for Long-Life Na-Ion Batteries. <i>Langmuir</i> , 2020 , 36, 4370-4382	4	18
9	Highly selective CO ₂ adsorption in the cavity of a molecular coordination cage. <i>Chemical Communications</i> , 2017 , 53, 4398-4401	5.8	16
8	Synthesis of porous polymer-based metal-organic frameworks monolithic hybrid composite for hydrogen storage application. <i>Journal of Materials Science</i> , 2019 , 54, 7078-7086	4.3	16
7	Acid Functionalized Conjugated Microporous Polymers as a Reusable Catalyst for Biodiesel Production. <i>ACS Applied Polymer Materials</i> , 2020 , 2, 3908-3915	4.3	12
6	Calcium-loaded hydrophilic hypercrosslinked polymers for extremely high defluoridation capacity via multiple uptake mechanisms. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 7130-7144	13	9
5	Dispersible microporous diblock copolymer nanoparticles via polymerisation-induced self-assembly. <i>Polymer Chemistry</i> , 2019 , 10, 3879-3886	4.9	6
4	Development of a Combined Leaching and Ion-Exchange System for Valorisation of Spent Potlining Waste. <i>Waste and Biomass Valorization</i> , 2020 , 11, 5467-5481	3.2	2
3	Efficient and Tunable White-Light Emission Using a Dispersible Porous Polymer. <i>Macromolecular Rapid Communications</i> , 2020 , 41, e2000176	4.8	1

2	A Pressure Swing Approach to Selective CO Sequestration Using Functionalized Hypercrosslinked Polymers. <i>Materials</i> , 2021 , 14,	3.5	1
1	Step Change Adsorbents and Processes for CO ₂ Capture STEPCAP 2012 , 30-37		0